

Applicant : Michael Benz et al.
Serial No. : 09/856,632
Filed : May 23, 2001
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Attorney's Docket No.: 12758-
027001 / 1998P05845WOUS

REMARKS

Applicants have amended the application to cancel claims 1-10 and have added claims 11-30. Please consider these newly added claims prior to examination. Applicants have also replaced the abstract. No new matter has been added.

Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: December 10, 2001

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Version with markings to show changes made

In the claims:

Claims 1-10 have been cancelled.

Claims 11-30 have been added as follows:

- 11. A method for transmitting data for a data communication service, the method comprising:
- stipulating a number of permitted transport formats and a combination of the permitted transport formats for the data communication service;
 - signaling a partial information item relating to the combination of the permitted transport formats;
 - using a binary coding that includes a reduced number of permitted transport formats relative to a total number of the combination of the permitted transport formats; and
 - transmitting the data via a jointly used physical channel based on the combination of the permitted transport formats.
12. The method of claim 1 further comprising determining a data rate for the combination of the permitted transport formats at the reception end.
13. The method of claim 12 further comprising ascertaining the combination of the permitted transport formats based on the data rate and the partial information item, and evaluating the data based on the combination of the permitted transport formats.
14. The method of claim 13 further comprising signaling the data rate (GR) separately.
15. The method of claim 13 further comprising deriving the data rate from a resource allocation for the data transmission.

16. The method of claim 13 further comprising deriving the data rate (GR) from a resource usage.

17. The method of claim 13 further comprising indicating a bit rate after using a channel coding.

18. The method of claim 13 further comprising indicating a bit rate before using a channel coding.

19. The method of claim 13 further comprising transmitting the partial information item in a frame of the data transmission of the jointly used physical channel.

20. The method of claim 13 further comprising mapping the data for a data communication service onto a coded common transport channel.

21. The method of claim 20 further comprising splitting the data of the coded common transport channel uniformly over the jointly used physical channel.

22. The method of claim 13 further comprising transmitting the data via a radio interface of a radio communication system.

23. The method of claim 22 wherein the radio interface comprises a broadband frequency channel.

24. The method of claim 23 wherein the radio interface comprises a broadband frequency channel.

25. The method of claim 24 further comprising transmitting signals simultaneously in the jointly used physical channel.

26. The method of claim 25 further comprising separating the jointly used physical channel by spread codes.

27. The method of claim 25 further comprising separating the jointly used physical channel by a plurality of time slots.

28. A communication system comprising:
a transmitter configured to transmit data for a data communication service utilizing a jointly used physical channel;
a transmission channel configured to stipulate a number of permitted transport formats and a combination of the permitted transport formats for the data communication service;
the transmitter configured to signal a partial information item relating to the combination of the permitted transport formats and use a binary coding that includes a reduced number of permitted transport formats relative to a total number of the combination of the permitted transport formats; and
the transmission channel configured to transmit the data via a jointly used physical channel based on the combination of the permitted transport formats.

29. The communication system of claim 28 further comprising a receptor configured to determine a data rate for the combination of the permitted transport formats at the reception end.

30. The communication system of claim 28 further comprising a receptor configured to ascertain the combination of the permitted transport formats based on the data rate and the partial information item, and evaluate the data based on the combination of the permitted transport formats. --

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In the abstract:

Replace the abstract with the following version:

-- A method and communication system for transmitting data for a data communication service. The method includes stipulating a number of permitted transport formats and a combination of the permitted transport formats for the data communication service, signaling a partial information item relating to the combination of the permitted transport formats, using a binary coding that includes a reduced number of permitted transport formats relative to a total number of the combination of the permitted transport formats, and transmitting the data via a jointly used physical channel based on the combination of the permitted transport formats. --